

United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

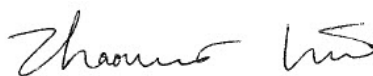
PERMITTEE NAME:	Bradley Booker	PERMIT NUMBER:	P526P-18-02083
ORGANIZATION:	Pacific Ag Research	APPLICATION NUMBER:	P526-180503-028
ADDRESS:	1840 Biddle Ranch Road San Luis Obispo, CA 93401	FACILITY NUMBER:	N/A
MAILING ADDRESS:	1840 Biddle Ranch Road San Luis Obispo, CA 93401	HAND CARRY:	Yes
PHONE:	805-594-1800	DATE ISSUED:	05/21/2018
FAX:	805-594-1808	EXPIRES:	05/21/2021
DESTINATION:	1840 Biddle Ranch Road, San Luis Obispo, CA 93401		
RELEASE:	CA , (Counties: San Luis Obispo, Salinas, Santa Barbara, Fresno)		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Alternaria alternata	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.	
Alternaria dauci	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.	
Alternaria porri	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.	
Alternaria solani	Fruiting Bodies, Mycelia, Petri dishes/culture tubes	Research - Field	Continental U.S.	Originally Collected from Within the Continental U.S.	
Alternaria solani	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.	
Botrytis allii	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.	
Botrytis cinerea	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.	

Permit Number P526P-18-02083

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Zhaowei Liu

DATE

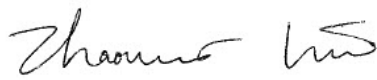
05/21/2018

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Corynespora cassiicola	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Exserohilum turcicum	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	MI	Originally Collected from Albion, MI Within the Continental U.S.
Fusarium graminearum	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Macrophomina phaseolina	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Monilinia fructicola	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL, FL, MI	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Peronospora belbahrii	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	MI	Originally Collected from Albion, MI Within the Continental U.S.
Peronospora farinosa	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Phytophthora capsici	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	MI	Originally Collected from Thonotosassa, FL, Within the Continental Albion, MI U.S.
Phytophthora infestans	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	MI	Originally Collected from Thonotosassa, FL, Within the Continental Albion, MI U.S.
Pseudoperonospora cubensis	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	MI	Originally Collected from Thonotosassa, FL, Within the Continental Albion, MI U.S.
Sclerotinia minor	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Sclerotinia sclerotiorum	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Sclerotium rolfsii	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Setosphaeria turcica	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	MI	Originally Collected from Albion, MI Within the Continental U.S.
Stemphylium vesicarium	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.
Verticillium dahliae	Fruiting Bodies, Mycelia, Petri dishes/culture tubes, Spores	Research - Field	FL	Originally Collected from Thonotosassa, FL Within the Continental U.S.

PERMIT GUIDANCE

Permit Number P526P-18-02083

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
 Zhaowei Liu	05/21/2018

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

- 1) This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.


PERMIT CONDITIONS

USDA-APHIS issues this permit to Bradley Booker with Pacific Ag Research in San Luis Obispo, California. This permit authorizes the interstate movement of the listed regulated materials/organisms from the listed states.

This permit authorizes Bradley Booker with Pacific Ag Research in San Luis Obispo, California to use the regulated materials/organisms for field research in the listed counties.

1.
 - This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
 - The permit number or a copy of the permit must accompany the shipment.
 - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
 - You are legally responsible for complying with all permit requirements and permit conditions.
 - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
 - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms

Permit Number P526P-18-02083

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Zhaowei Liu </p>	<p>DATE</p> <p style="text-align: center;">05/21/2018</p>
--	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

authorized under this permit.

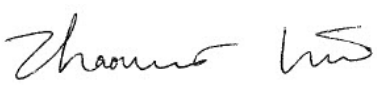
2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

3. This permit does not authorize movement or use of plant pathogens listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agriculture Select Agent Services (AgSAS) immediately by phone at 301-851-3300 option 3, and within seven (7) days submit APHIS/CDC Form 4A (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, AgSAS; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: https://www.selectagents.gov/resources/APHIS-CDC_Form_4_Guidance_Document.pdf). Failure

Permit Number P526P-18-02083

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Zhaowei Liu </p>	<p>DATE</p> <p style="text-align: center;">05/21/2018</p>
--	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002. Plant pathogen select agents currently listed include: *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*), *Conothyrium glycines* (formerly *Phoma glycinicola* and *Pyrenochaeta glycines*), *Ralstonia solanacearum*, *Rathayibacter toxicus*, *Sclerophthora rayssiae*, *Synchytrium endobioticum*, and *Xanthomonas oryzae*.

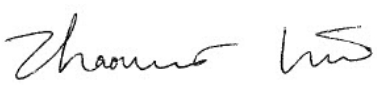
4. All persons working with the listed regulated materials/organisms must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

5. Inoculum for field trials must originate from pure cultures of identified organisms.
6. Only U.S. isolates are authorized. Isolates must be representative (e.g. races, chemotypes) of those found in the state of release or in contiguous states. No foreign isolates are authorized.
7. Organisms must be shipped, or transported to the field, in sturdy leak-proof and escape-proof packages. Inoculum may be transported to the field via personal or project/company owned vehicles.
8. All un-used inoculum will be sufficiently heat or chemically treated to kill all plant pests prior to disposal. Alternatively, un-used inoculum and packing materials may be deep buried (at least two feet deep) on-site at the release site, or double bagged and disposed of in a municipal landfill.
9. You must notify us at Pest.Permits@aphis.usda.gov as soon as possible but not later than within 5 working days if the plant pathogen or associated host organism is found to have characteristics substantially different from those expected, or suffers any unusual occurrence (excessive mortality or morbidity, or unanticipated effect on non-target organisms).
10. There is to be no further movement or distribution of the listed regulated materials/organisms within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.

END OF PERMIT CONDITIONS

Permit Number P526P-18-02083

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;"> Zhaowei Liu</p>	<p>DATE</p> <p style="text-align: center;">05/21/2018</p>
--	---

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)